

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : John Mantegna et al.

Art Unit : 2155

Serial No. : 09/845,083

Examiner : David R. Lazaro

Filed : April 30, 2001

Confirmation No.: 1607

Title : METHOD AND SYSTEM FOR DYNAMIC LATENCY MANAGEMENT AND
DRIFT CORRECTION

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Commissioner for Patents

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REPLY TO ACTION OF APRIL 6, 2006

Applicant asks that all claims be allowed in view of the following remarks. Claims 1-6, 8-16, 18-26 and 28-33 are pending, with claims 1, 11 and 21 being independent.

Claims 1-3, 5, 6, 8-13, 15, 16, 18-23, 25, 26 and 28-33

Claims 1-3, 5, 6, 8-13, 15, 16, 18-23, 25, 26 and 28-33 have been rejected under 35 U.S.C. §102(a) as being anticipated by Hodson ("Skew Detection and Compensation for Internet Audio Applications"). Applicant requests reconsideration and withdrawal of the rejection because Hodson does not describe or suggest the features of the independent claims. For example, Hodson does not describe or suggest determining a range for a size of a communication delay based on a measured communication delay of a receiving data buffer.

In general, independent claim 1 recites a method for dynamic latency management in a real-time electronic communication. The method includes measuring a communication delay arising from a receiving data buffer. The method also includes determining a latency adjustment necessary to adjust the size of the communication delay to within a predetermined range and determining a range for a size of the communication delay based on the measured communication delay. A number of samples of a playback data block passing through the receiving data buffer are modified based on the latency adjustment determined to be necessary to adjust the size of the communication delay and on the range determined for the size of the communication delay. Modifying the number of samples includes performing heuristic resampling of a playback block.